501P1563

FIG. 1

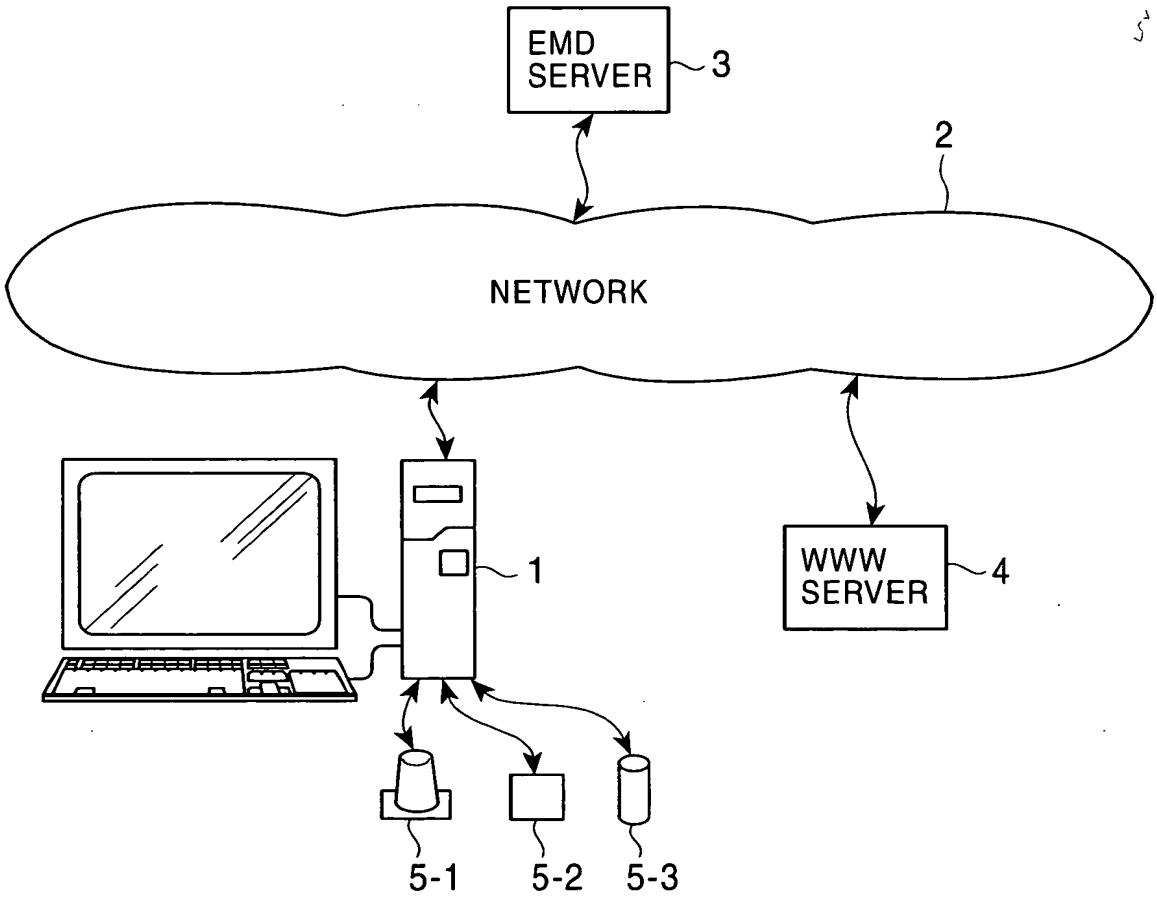


FIG. 2

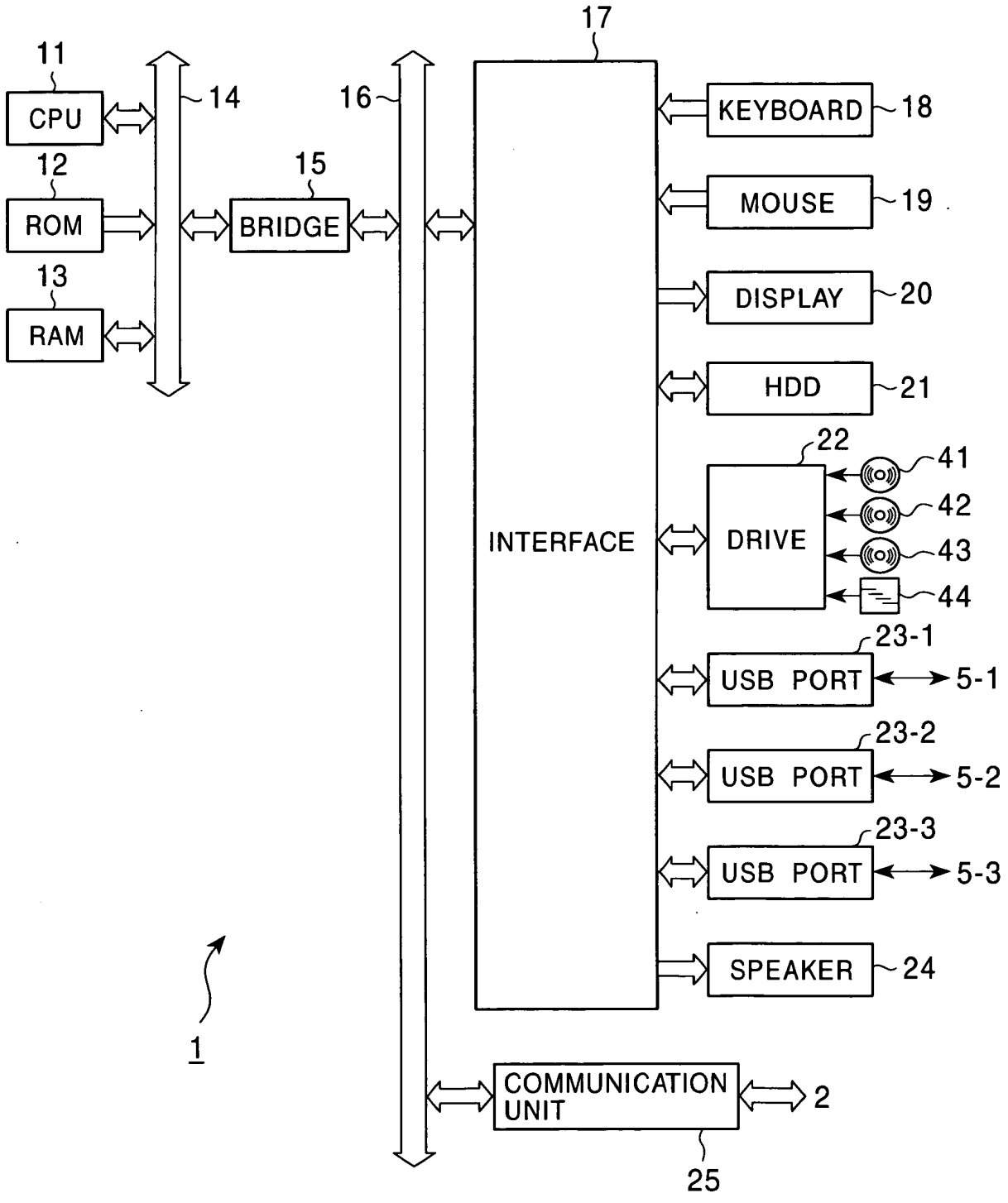

17
11
CPU
14
16
12
ROM
15
BRIDGE
13
RAM
KEYBOARD
18
MOUSE
19
DISPLAY
20
HDD
21
22
41
42
43
44
INTERFACE
DRIVE
23-1
USB PORT
5-1
23-2
USB PORT
5-2
23-3
USB PORT
5-3
SPEAKER
24
1
COMMUNICATION UNIT
2
25

FIG. 3

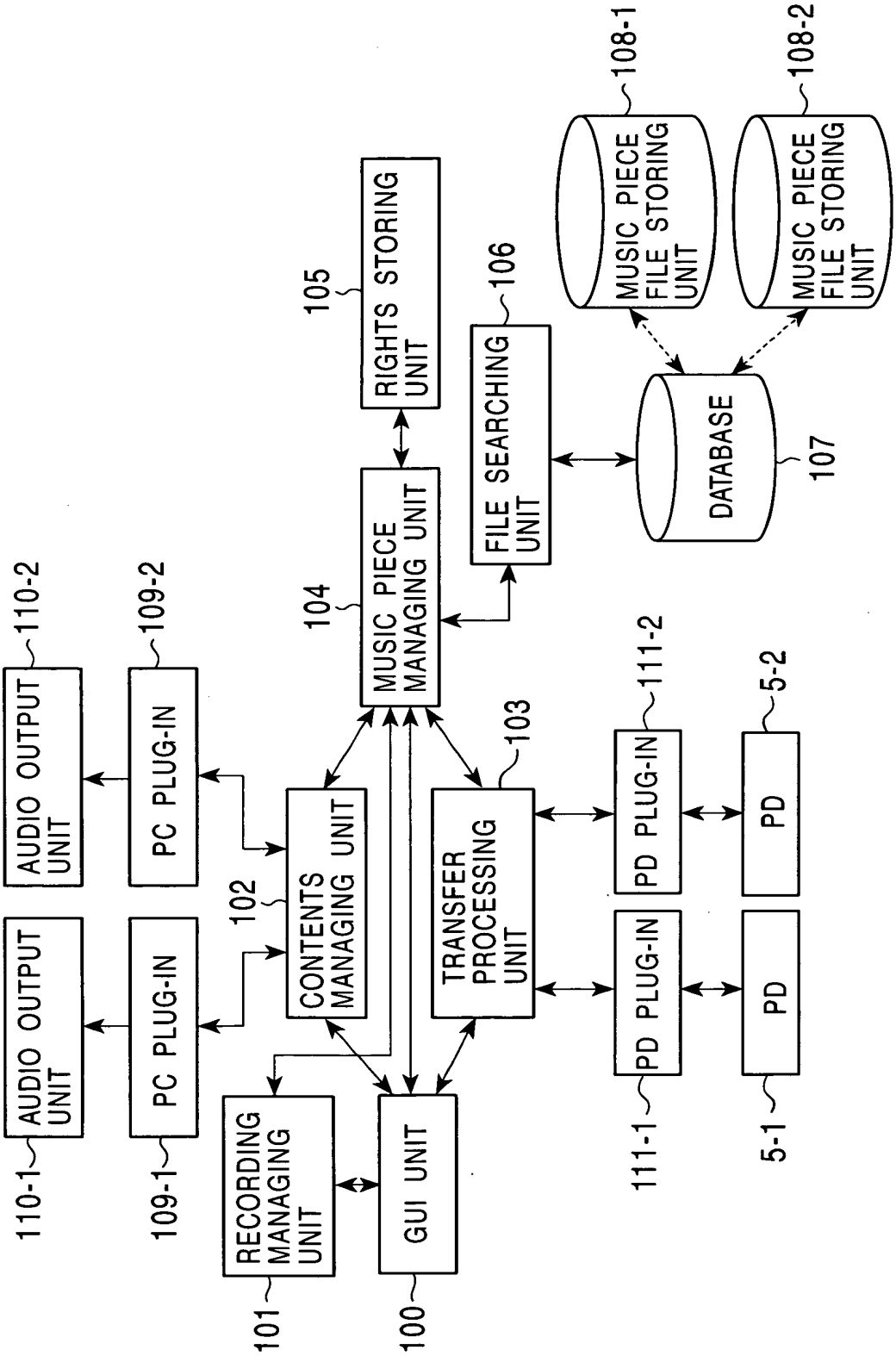

100
GUI UNIT
101
RECORDING MANAGING UNIT
102
CONTENTS MANAGING UNIT
103
TRANSFER PROCESSING UNIT
104
MUSIC PIECE MANAGING UNIT
105
RIGHTS STORING UNIT
106
FILE SEARCHING UNIT
107
DATABASE
108-1
MUSIC PIECE FILE STORING UNIT
108-2
MUSIC PIECE FILE STORING UNIT
109-1
PC PLUG-IN
109-2
PC PLUG-IN
110-1
AUDIO OUTPUT UNIT
110-2
AUDIO OUTPUT UNIT
111-1
PD PLUG-IN
111-2
PD PLUG-IN
5-1
PD
5-2
PD

FIG. 4

DISCID = 55443322
DTITLE = KING/RIDING
TITLE0 = RIDING
TITLE1 = TEN LONG
TITLE2 = KEY
TITLE3 =MARY
TITLE4 = THREE
TITLE5 = HELP
TITLE6 = I
TITLE7 = WORRIED
TITLE8 =
TITLE9 =
EXTD = ARTIST : KING
EXTD = URL1 : ARTIST DISCOGRAPHY http://www.cdnew.co.jp/artist.asp.artistid = 1122
EXTD = URL2 : CDNEW JAPAN HOME http://www.cdnew.co.jp/index.asp

EPO - DG PI 25.05.2005

FIG. 5

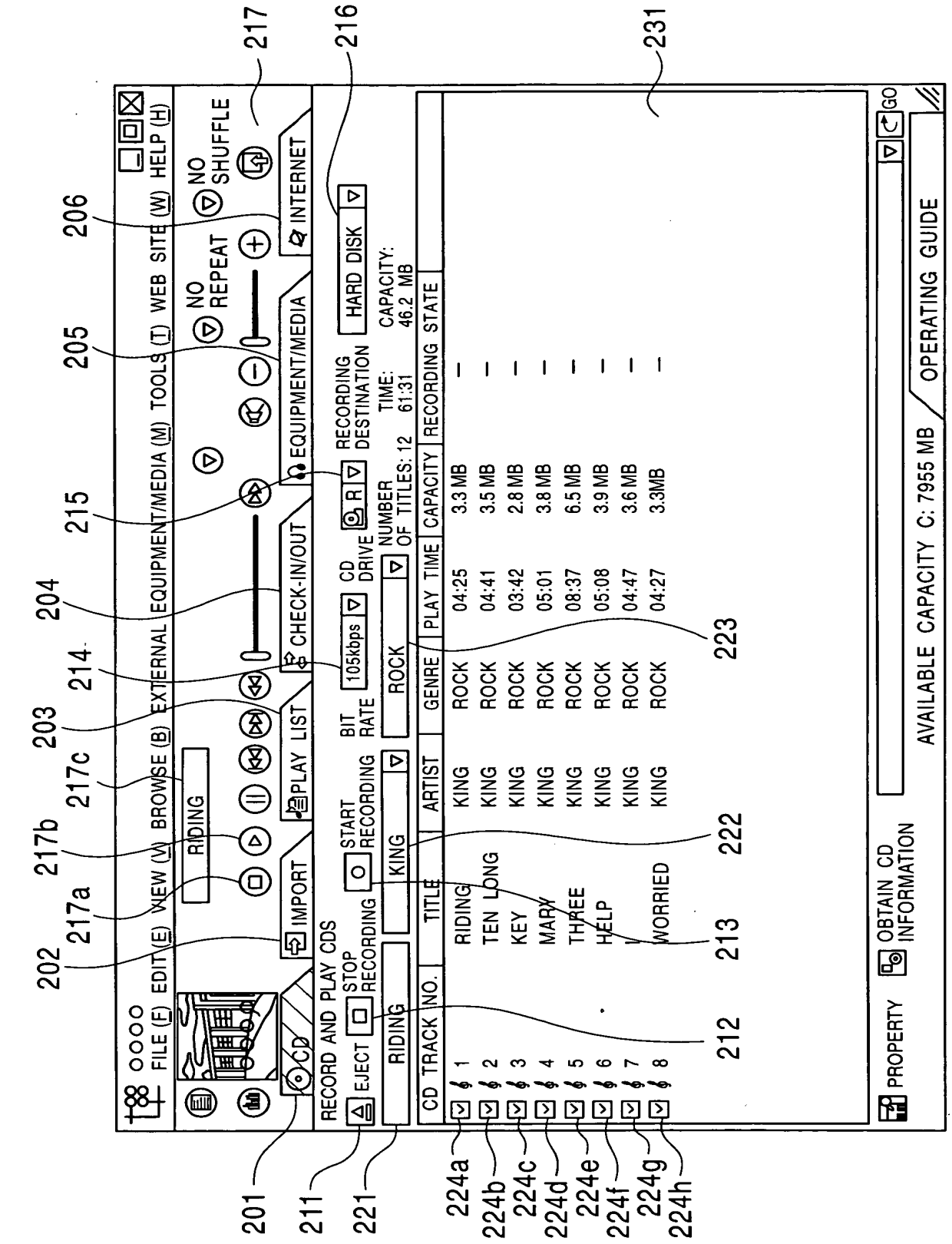

FILE (F) EDIT (E) VIEW (V) BROWSE (B) EXTERNAL EQUIPMENT/MEDIA (M) TOOLS (T) WEB SITE (W) HELP (H)
RIDING
CD
IMPORT
PLAY LIST
CHECK-IN/OUT
EQUIPMENT/MEDIA
INTERNET
NO REPEAT
NO SHUFFLE
RECORD AND PLAY CDS
EJECT
STOP RECORDING
START RECORDING
KING
BIT RATE
105kbps
ROCK
CD DRIVE
R
RECORDING DESTINATION
HARD DISK
NUMBER OF TITLES: 12
TIME: 61:31
CAPACITY: 46.2 MB
RIDING
CD TRACK NO.
TITLE
ARTIST
GENRE
PLAY TIME
CAPACITY
RECORDING STATE
1 RIDING KING ROCK 04:25 3.3 MB
2 TEN LONG KING ROCK 04:41 3.5 MB
3 KEY KING ROCK 03:42 2.8 MB
4 MARY KING ROCK 05:01 3.8 MB
5 THREE KING ROCK 08:37 6.5 MB
6 HELP KING ROCK 05:08 3.9 MB
7 KING ROCK 04:47 3.6 MB
8 WORRIED KING ROCK 04:27 3.3MB
PROPERTY
OBTAIN CD INFORMATION
AVAILABLE CAPACITY C: 7955 MB
OPERATING GUIDE
GO
201
202
203
204
205
206
211
212
213
214
215
216
217
217a
217b
217c
221
222
223
224a
224b
224c
224d
224e
224f
224g
224h
231

FIG. 6

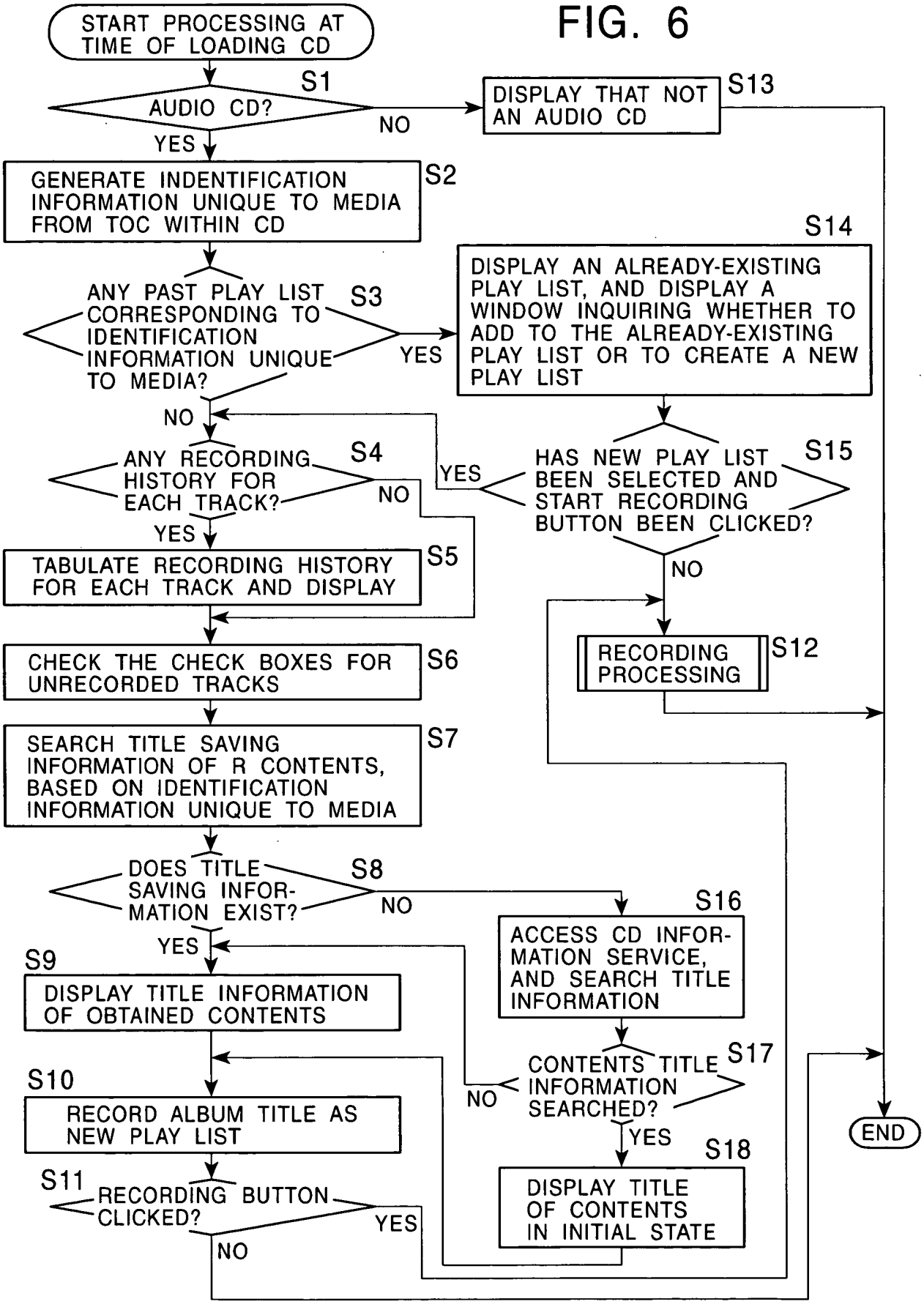
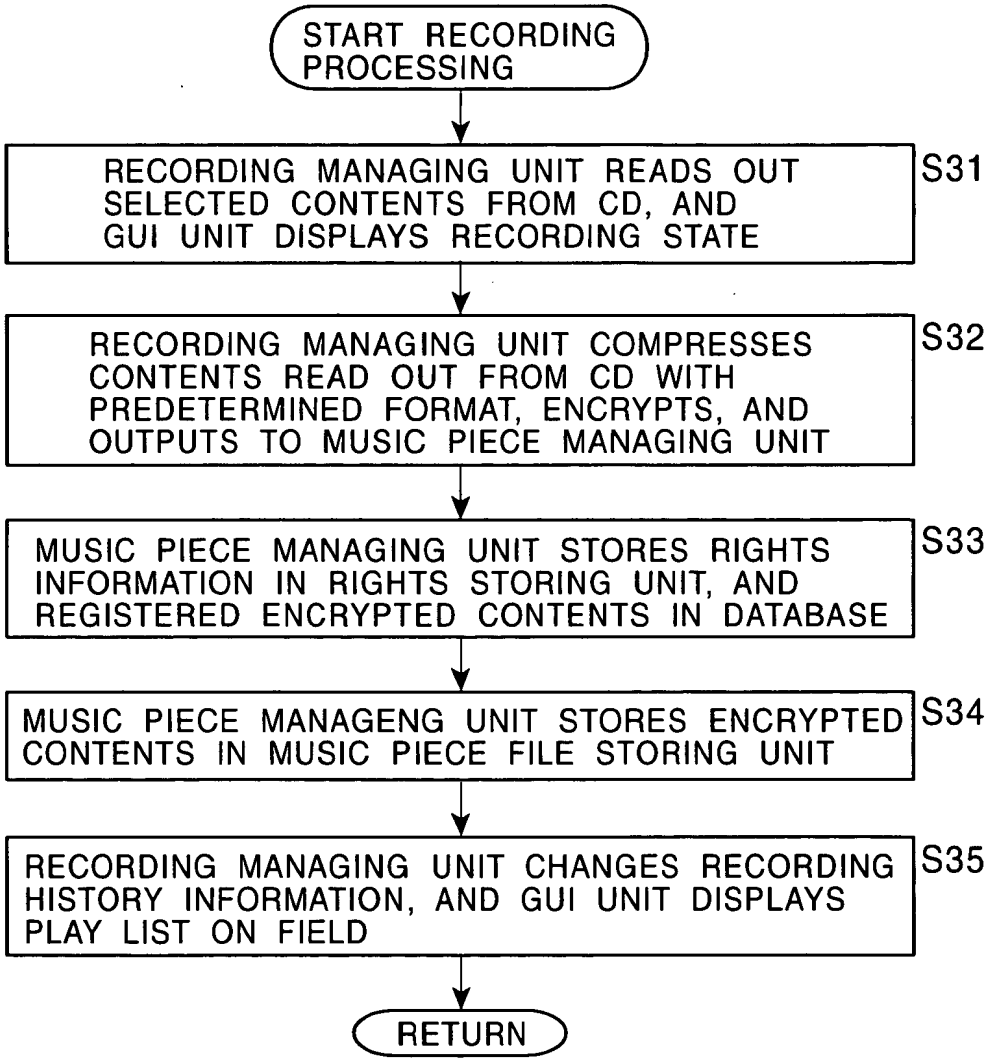

START PROCESSING AT TIME OF LOADING CD
S1
AUDIO CD?
NO
S13
DISPLAY THAT NOT AN AUDIO CD
YES
GENERATE INDENTIFICATION INFORMATION UNIQUE TO MEDIA FROM TOC WITHIN CD
S2
S14
ANY PAST PLAY LIST CORRESPONDING TO IDENTIFICATION INFORMATION UNIQUE TO MEDIA?
S3
YES
DISPLAY AN ALREADY-EXISTING PLAY LIST, AND DISPLAY A WINDOW INQUIRING WHETHER TO ADD TO THE ALREADY-EXISTING PLAY LIST OR TO CREATE A NEW PLAY LIST
NO
ANY RECORDING HISTORY FOR EACH TRACK?
S4
NO
YES
HAS NEW PLAY LIST BEEN SELECTED AND START RECORDING BUTTON BEEN CLICKED?
S15
YES
NO
YES
TABULATE RECORDING HISTORY FOR EACH TRACK AND DISPLAY
S5
RECORDING PROCESSING
S12
CHECK THE CHECK BOXES FOR UNRECORDED TRACKS
S6
SEARCH TITLE SAVING INFORMATION OF R CONTENTS, BASED ON IDENTIFICATION INFORMATION UNIQUE TO MEDIA
S7
DOES TITLE SAVING INFORMATION EXIST?
S8
NO
S16
ACCESS CD INFORMATION SERVICE, AND SEARCH TITLE INFORMATION
YES
S9
DISPLAY TITLE INFORMATION OF OBTAINED CONTENTS
CONTENTS TITLE INFORMATION SEARCHED?
S17
NO
YES
S10
RECORD ALBUM TITLE AS NEW PLAY LIST
S18
DISPLAY TITLE OF CONTENTS IN INITIAL STATE
S11
RECORDING BUTTON CLICKED?
YES
NO
END

FIG. 7



FOR EPO - 2005/45/50

FIG. 8

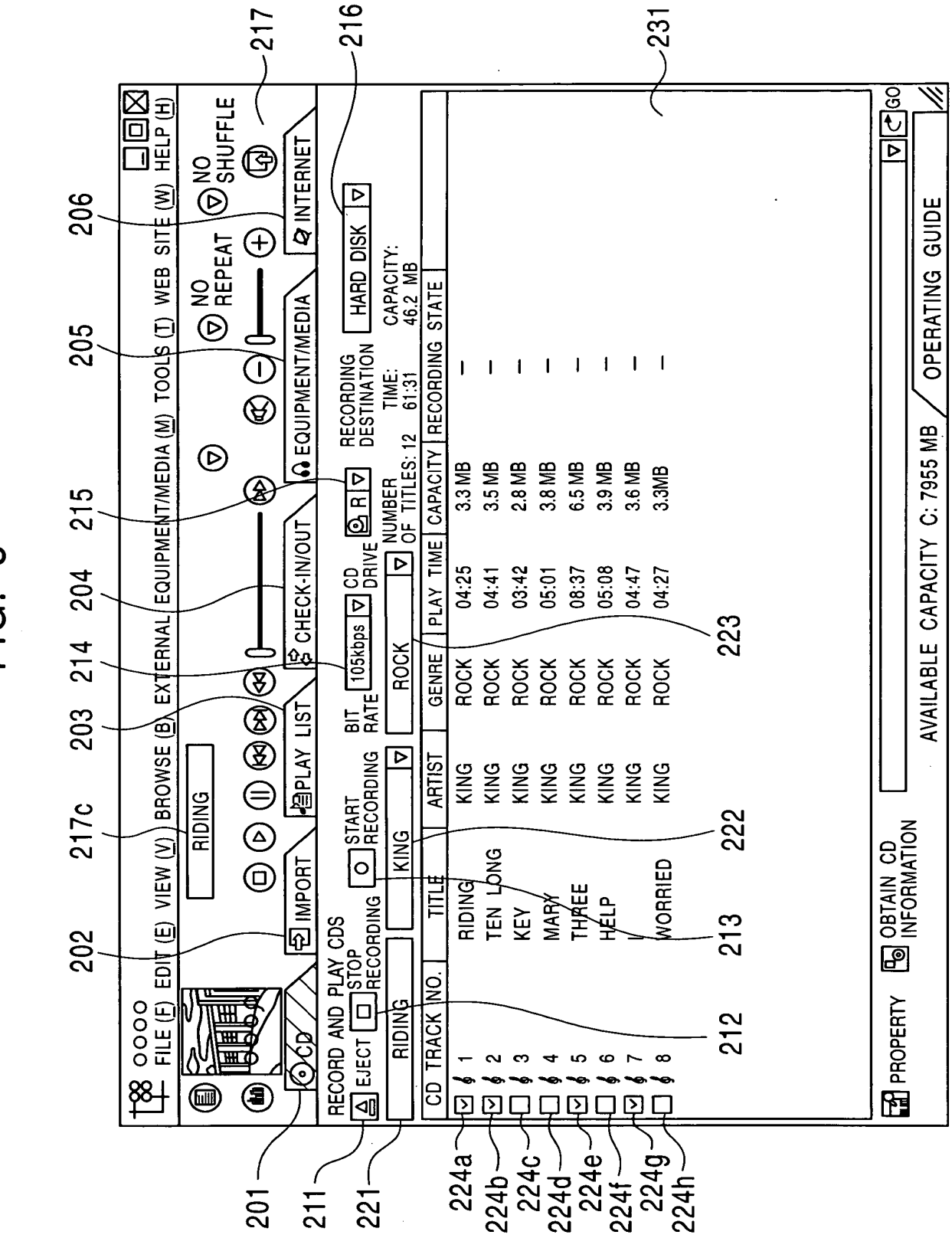

FILE (F) EDIT (E) VIEW (V) BROWSE (B) EXTERNAL EQUIPMENT/MEDIA (M) TOOLS (T) WEB SITE (W) HELP (H)
RIDING
IMPORT
PLAY LIST
CHECK-IN/OUT
EQUIPMENT/MEDIA
INTERNET
NO REPEAT
NO SHUFFLE
HARD DISK
RECORDING DESTINATION
TIME: 61:31
CAPACITY: 46.2 MB
NUMBER OF TITLES: 12
CD DRIVE
BIT RATE
105kbps
ROCK
START RECORDING
STOP RECORDING
EJECT
RECORD AND PLAY CDS
RIDING
KING
CD TRACK NO. | TITLE | ARTIST | GENRE | PLAY TIME | CAPACITY | RECORDING STATE
1 RIDING KING ROCK 04:25 3.3 MB —
2 TEN LONG KING ROCK 04:41 3.5 MB —
3 KEY KING ROCK 03:42 2.8 MB —
4 MARY KING ROCK 05:01 3.8 MB —
5 THREE KING ROCK 08:37 6.5 MB —
6 HELP KING ROCK 05:08 3.9 MB —
7 I KING ROCK 04:47 3.6 MB —
8 WORRIED KING ROCK 04:27 3.3MB —
PROPERTY
OBTAIN CD INFORMATION
AVAILABLE CAPACITY C: 7955 MB
OPERATING GUIDE
GO
201
202
203
204
205
206
211
212
213
214
215
216
217
217c
221
222
223
224a
224b
224c
224d
224e
224f
224g
224h
231

FIG. 9

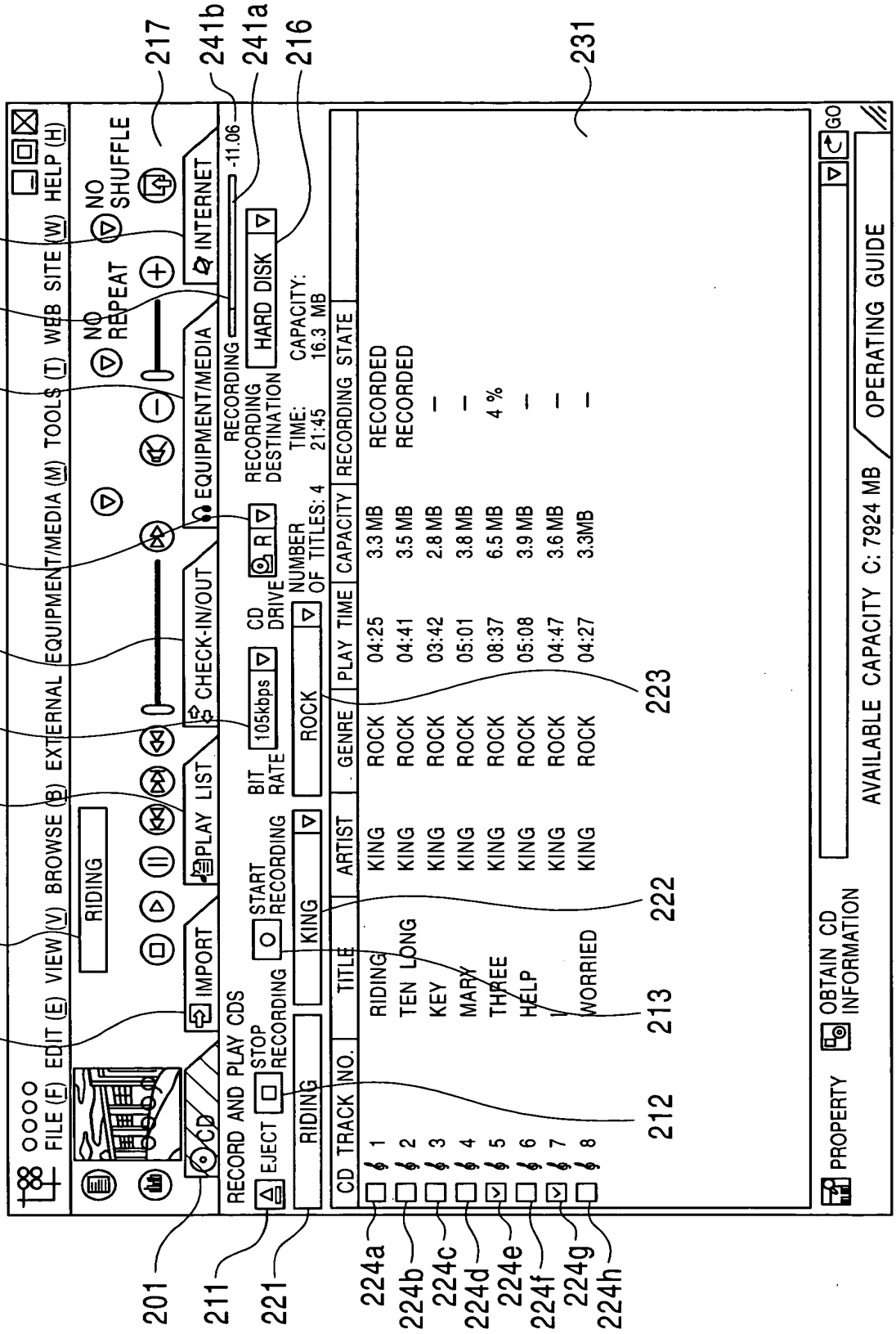

FILE (F) EDIT (E) VIEW (V) BROWSE (B) EXTERNAL EQUIPMENT/MEDIA (M) TOOLS (T) WEB SITE (W) HELP (H)
RIDING
NO REPEAT
NO SHUFFLE
IMPORT
PLAY LIST
CHECK-IN/OUT
EQUIPMENT/MEDIA
INTERNET
RECORD AND PLAY CDS
EJECT
STOP RECORDING
START RECORDING
BIT RATE
105kbps
CD DRIVE
R
NUMBER OF TITLES: 4
RECORDING DESTINATION
HARD DISK
RECORDING
-11.06
TIME: 21:45
CAPACITY: 16.3 MB
CD TRACK NO.
TITLE
ARTIST
GENRE
PLAY TIME
CAPACITY
RECORDING STATE
RIDING
KING
ROCK
04:25
3.3 MB
RECORDED
TEN LONG
KING
ROCK
04:41
3.5 MB
RECORDED
KEY
KING
ROCK
03:42
2.8 MB
—
MARY
KING
ROCK
05:01
3.8 MB
—
THREE
KING
ROCK
08:37
6.5 MB
4 %
HELP
KING
ROCK
05:08
3.9 MB
—
WORRIED
KING
ROCK
04:47
3.6 MB
—
KING
ROCK
04:27
3.3MB
—
PROPERTY
OBTAIN CD INFORMATION
AVAILABLE CAPACITY C: 7924 MB
OPERATING GUIDE
GO
201
202
203
204
205
206
211
212
213
214
215
216
217
217c
221
222
223
224a
224b
224c
224d
224e
224f
224g
224h
231
241
241a
241b

FIG. 10

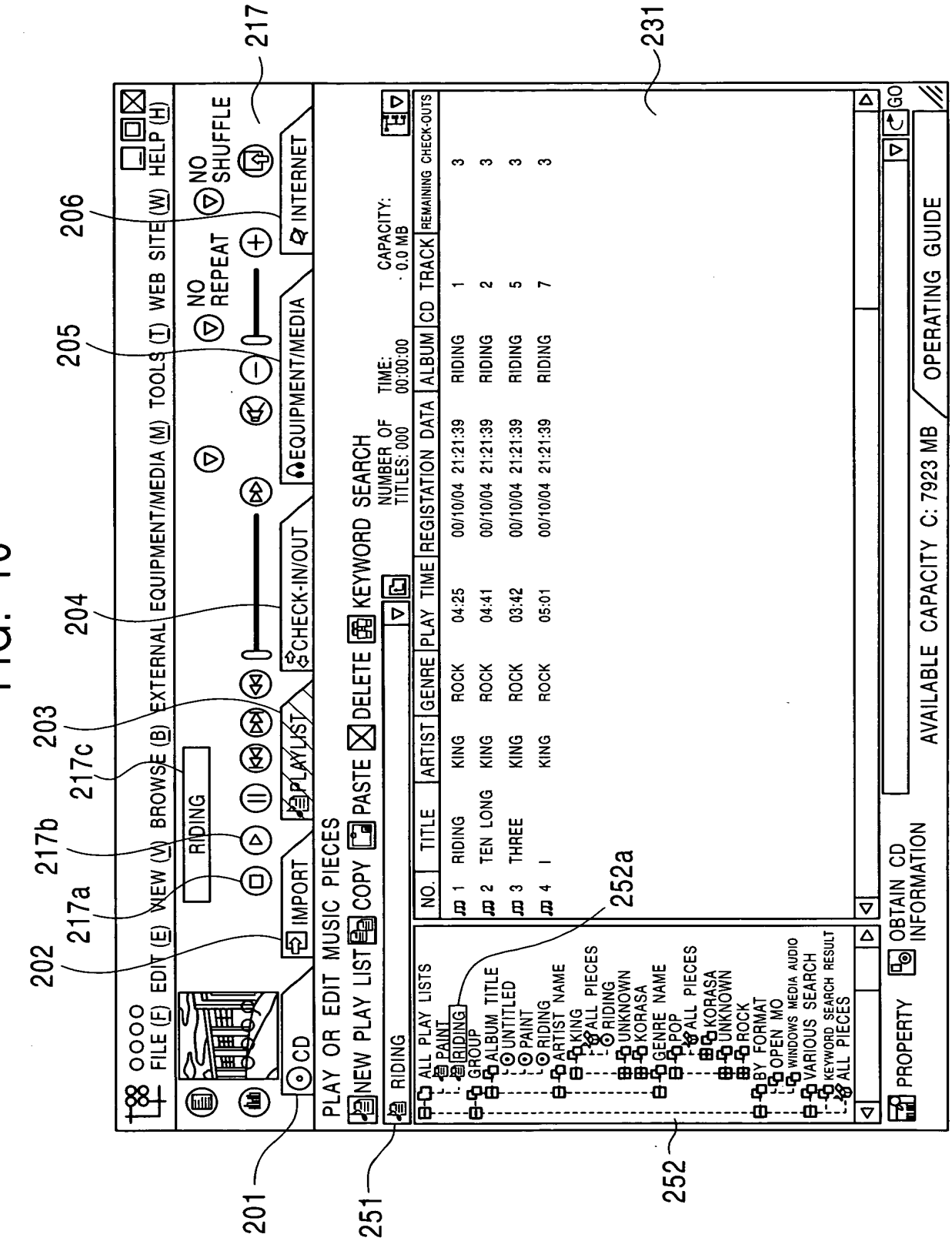

FILE (F)
EDIT (E)
VIEW (V)
BROWSE (B)
EXTERNAL EQUIPMENT/MEDIA (M)
TOOLS (T)
WEB SITE (W)
HELP (H)
CD
IMPORT
PLAY LIST
CHECK-IN/OUT
EQUIPMENT/MEDIA
INTERNET
NO REPEAT
NO SHUFFLE
RIDING
PLAY OR EDIT MUSIC PIECES
NEW PLAY LIST
COPY
PASTE
DELETE
KEYWORD SEARCH
NUMBER OF TITLES: 000
TIME: 00:00:00
CAPACITY: 0.0 MB
NO. TITLE ARTIST GENRE PLAY TIME REGISTATION DATA ALBUM CD TRACK REMAINING CHECK-OUTS
1 RIDING KING ROCK 04:25 00/10/04 21:21:39 RIDING 1 3
2 TEN LONG KING ROCK 04:41 00/10/04 21:21:39 RIDING 2 3
3 THREE KING ROCK 03:42 00/10/04 21:21:39 RIDING 5 3
4 I KING ROCK 05:01 00/10/04 21:21:39 RIDING 7 3
ALL PLAY LISTS
PAINT
RIDING
GROUP
ALBUM TITLE
UNTITLED
PAINT
RIDING
ARTIST NAME
KING
ALL PIECES
RIDING
UNKNOWN
KORASA
GENRE NAME
POP
ALL PIECES
KORASA
UNKNOWN
ROCK
BY FORMAT
OPEN MO
WINDOWS MEDIA AUDIO
VARIOUS SEARCH
KEYWORD SEARCH RESULT
ALL PIECES
PROPERTY
OBTAIN CD INFORMATION
AVAILABLE CAPACITY C: 7923 MB
OPERATING GUIDE
GO
201
202
203
204
205
206
217
217a
217b
217c
231
251
252
252a

FIG. 11

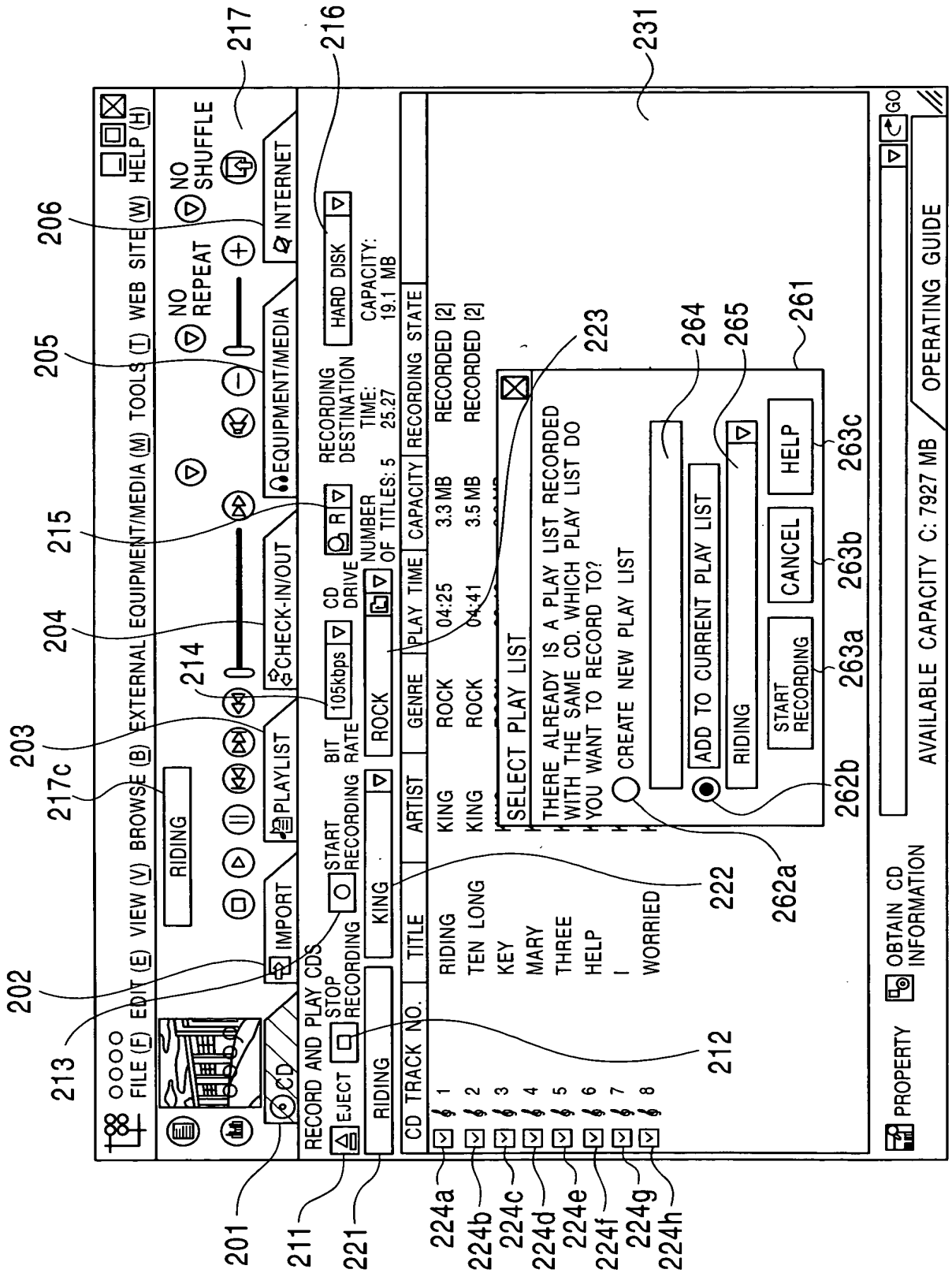

FILE (F) EDIT (E) VIEW (V) BROWSE (B) EXTERNAL EQUIPMENT/MEDIA (M) TOOLS (T) WEB SITE (W) HELP (H)
RIDING
IMPORT
PLAYLIST
CHECK-IN/OUT
EQUIPMENT/MEDIA
INTERNET
NO REPEAT
NO SHUFFLE
RECORD AND PLAY CDS
EJECT
STOP RECORDING
START RECORDING
BIT RATE
105kbps
CD DRIVE
R
RECORDING DESTINATION
HARD DISK
NUMBER OF TITLES: 5
TIME: 25.27
CAPACITY: 19.1 MB
RIDING
KING
ROCK
CD TRACK NO.
TITLE
ARTIST
GENRE
PLAY TIME
CAPACITY
RECORDING STATE
RIDING
TEN LONG
KEY
MARY
THREE
HELP
I
WORRIED
KING
KING
ROCK
ROCK
04:25
04:41
3.3 MB
3.5 MB
RECORDED [2]
RECORDED [2]
SELECT PLAY LIST
THERE ALREADY IS A PLAY LIST RECORDED WITH THE SAME CD. WHICH PLAY LIST DO YOU WANT TO RECORD TO?
CREATE NEW PLAY LIST
ADD TO CURRENT PLAY LIST
RIDING
START RECORDING
CANCEL
HELP
PROPERTY
OBTAIN CD INFORMATION
AVAILABLE CAPACITY C: 7927 MB
OPERATING GUIDE
GO
201
202
203
204
205
206
211
212
213
214
215
216
217
217c
221
222
223
224a
224b
224c
224d
224e
224f
224g
224h
231
261
262a
262b
263a
263b
263c
264
265

FIG. 12

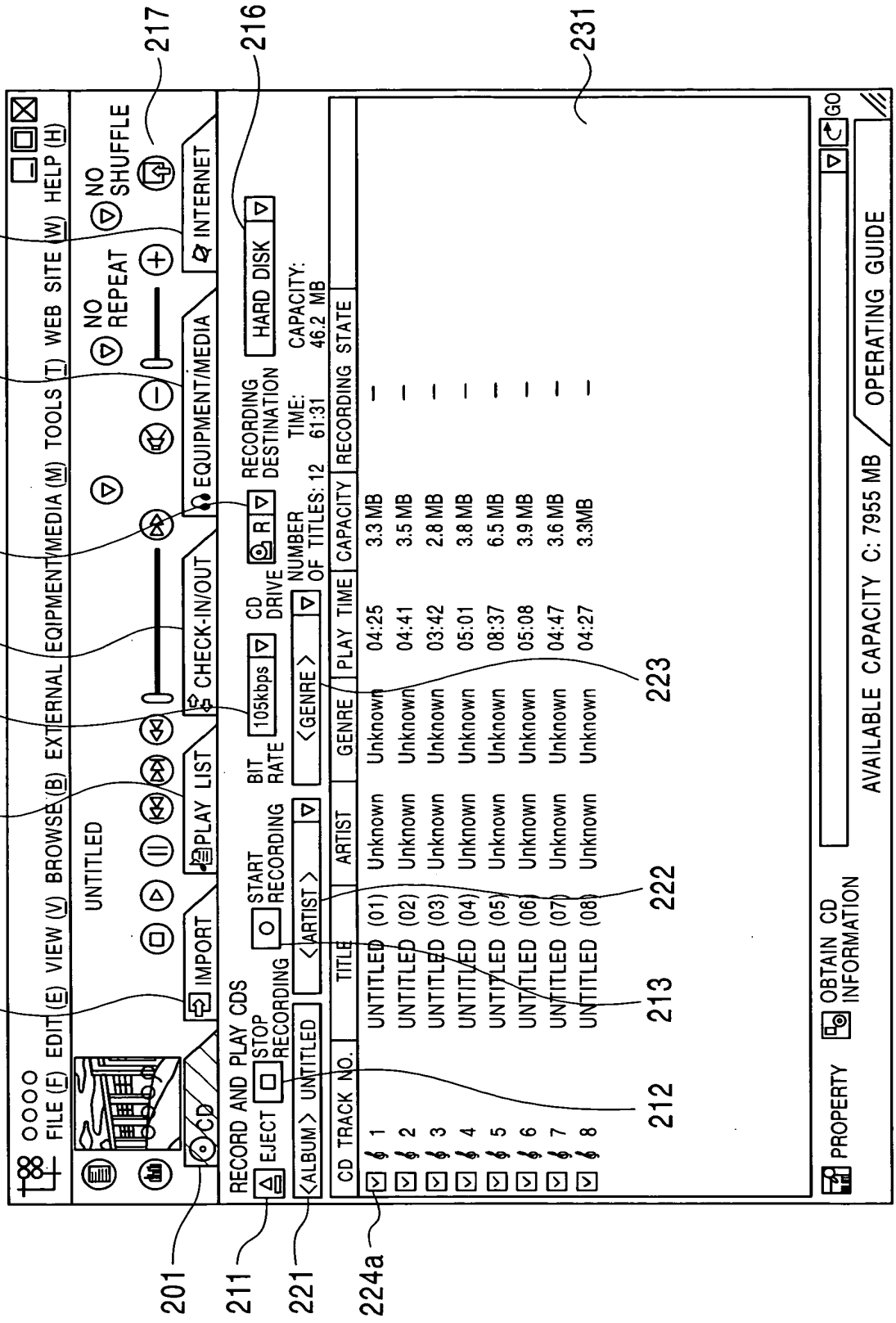

FILE (F) EDIT (E) VIEW (V) BROWSE (B) EXTERNAL EQIPMENT MEDIA (M) TOOLS (T) WEB SITE (W) HELP (H)
UNTITLED
NO REPEAT
NO SHUFFLE
IMPORT
PLAY LIST
CHECK-IN/OUT
EQUIPMENT/MEDIA
INTERNET
RECORD AND PLAY CDS
EJECT
STOP RECORDING
START RECORDING
BIT RATE
105kbps
CD DRIVE
R
RECORDING DESTINATION
HARD DISK
<ALBUM> UNTITLED
<ARTIST >
<GENRE >
NUMBER OF TITLES: 12
TIME: 61:31
CAPACITY: 46.2 MB
CD TRACK NO.
TITLE
ARTIST
GENRE
PLAY TIME
CAPACITY
RECORDING STATE
1 UNTITLED (01) Unknown Unknown 04:25 3.3 MB –
2 UNTITLED (02) Unknown Unknown 04:41 3.5 MB –
3 UNTITLED (03) Unknown Unknown 03:42 2.8 MB –
4 UNTITLED (04) Unknown Unknown 05:01 3.8 MB –
5 UNTITLED (05) Unknown Unknown 08:37 6.5 MB –
6 UNTITLED (06) Unknown Unknown 05:08 3.9 MB –
7 UNTITLED (07) Unknown Unknown 04:47 3.6 MB –
8 UNTITLED (08) Unknown Unknown 04:27 3.3MB –
PROPERTY
OBTAIN CD INFORMATION
AVAILABLE CAPACITY C: 7955 MB
OPERATING GUIDE
GO
201
202
203
204
205
206
211
212
213
214
215
216
217
221
222
223
224a
231

FIG. 13

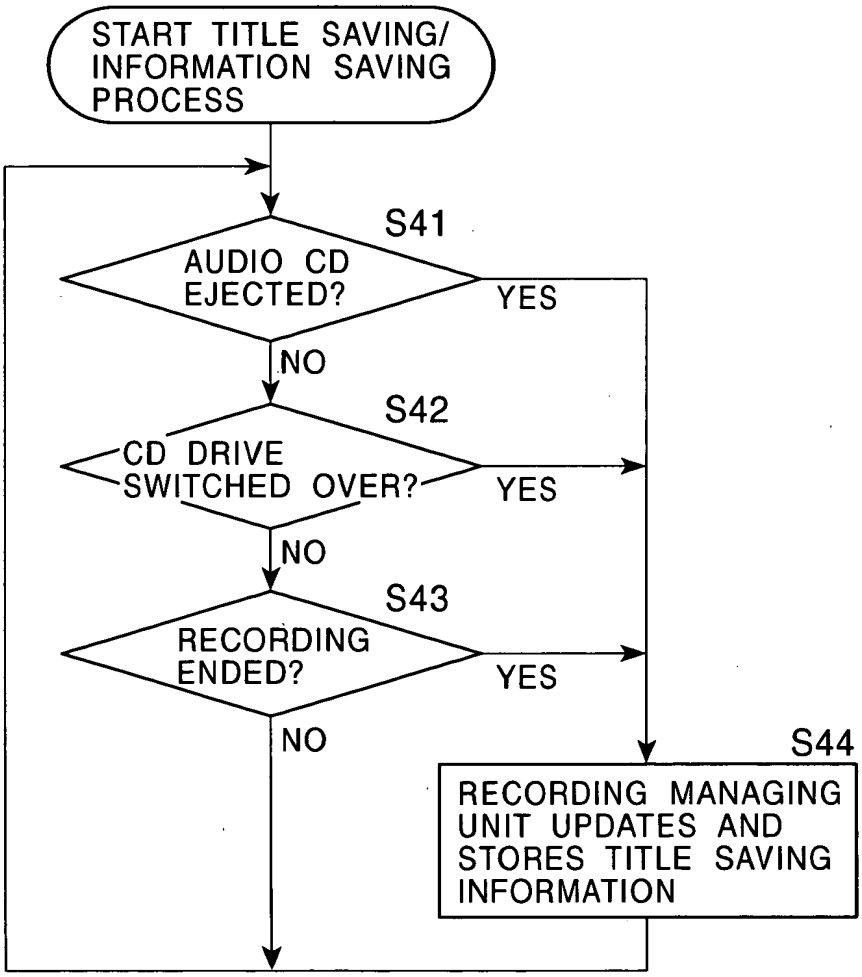

START TITLE SAVING/ INFORMATION SAVING PROCESS
S41
AUDIO CD EJECTED?
YES
NO
S42
CD DRIVE SWITCHED OVER?
YES
NO
S43
RECORDING ENDED?
YES
NO
S44
RECORDING MANAGING UNIT UPDATES AND STORES TITLE SAVING INFORMATION

FIG. 14

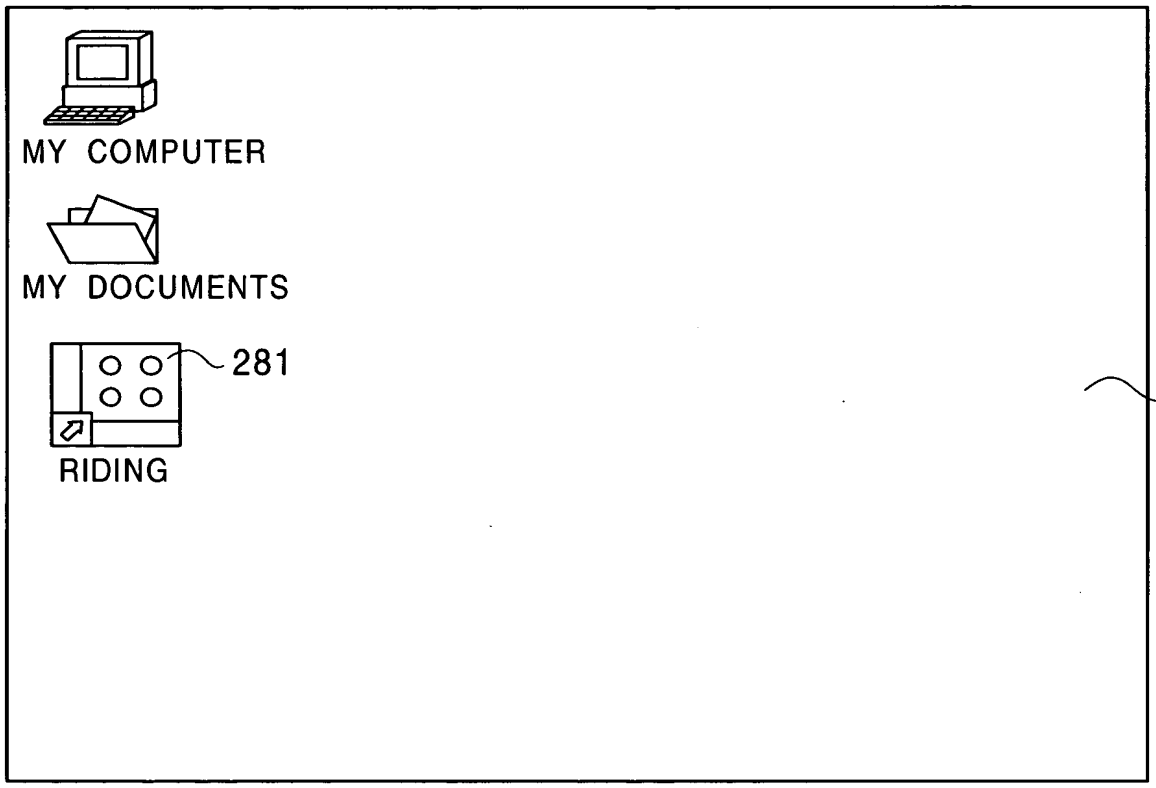
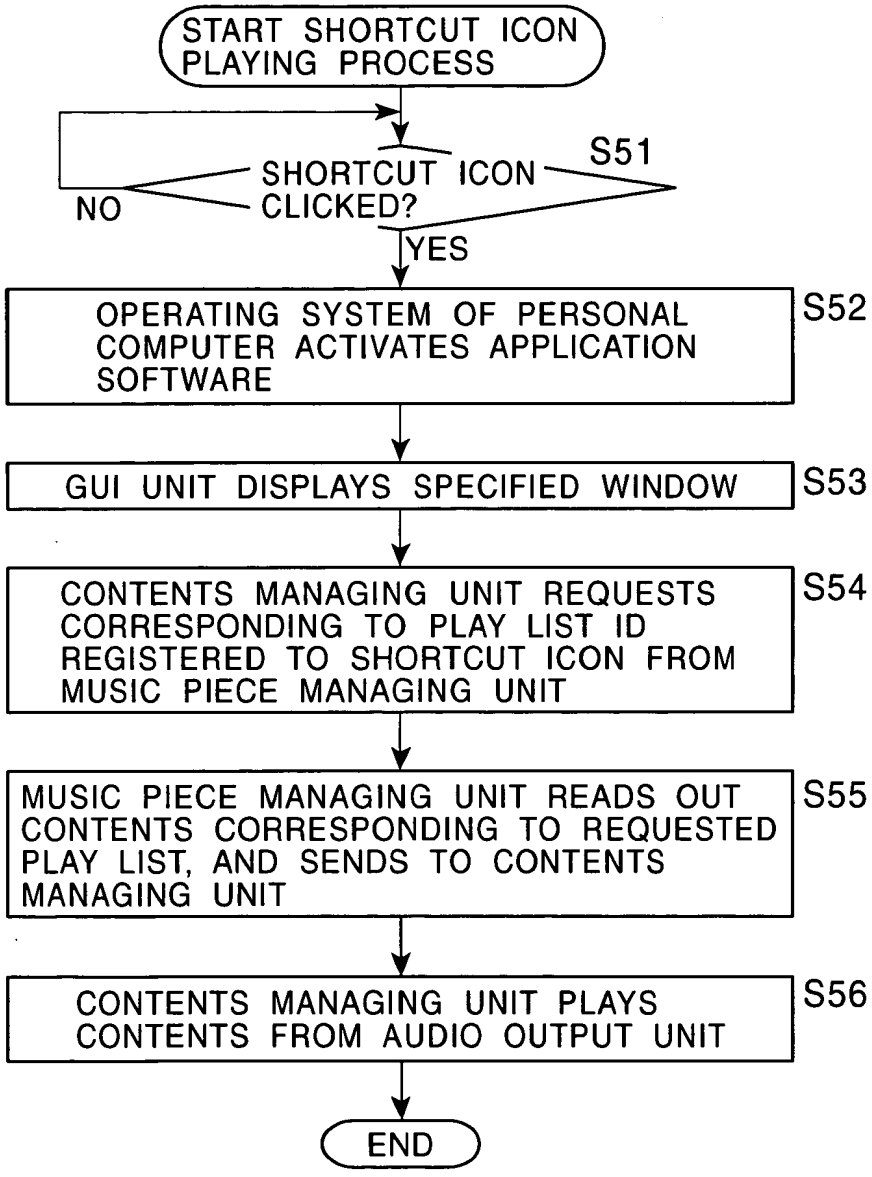


FIG. 15


START SHORTCUT ICON PLAYING PROCESS
S51
SHORTCUT ICON CLICKED?
NO
YES
OPERATING SYSTEM OF PERSONAL COMPUTER ACTIVATES APPLICATION SOFTWARE
S52
GUI UNIT DISPLAYS SPECIFIED WINDOW
S53
CONTENTS MANAGING UNIT REQUESTS CORRESPONDING TO PLAY LIST ID REGISTERED TO SHORTCUT ICON FROM MUSIC PIECE MANAGING UNIT
S54
MUSIC PIECE MANAGING UNIT READS OUT CONTENTS CORRESPONDING TO REQUESTED PLAY LIST, AND SENDS TO CONTENTS MANAGING UNIT
S55
CONTENTS MANAGING UNIT PLAYS CONTENTS FROM AUDIO OUTPUT UNIT
S56
END

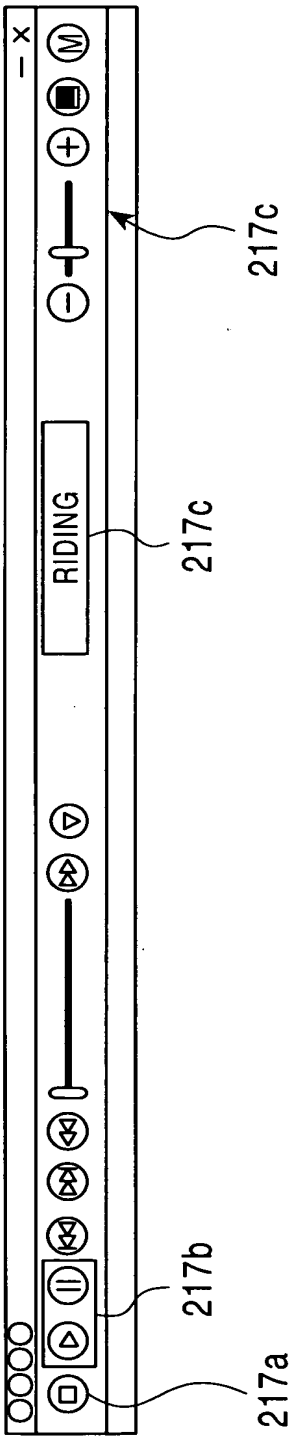



FIG. 16